
Accessing the system

When you replace equipment, you often send commands to the system software in order to disable faulty equipment and to enable and test newly installed equipment.

You send maintenance commands to the system through the system terminal or the maintenance telephone. This section gives the procedures for accessing the system through these devices.

Note: Before X11 release 19, only one device at a time can communicate with the system. Accessing a device while another is logged in will log out the device that was already connected. The Multi User Login feature, available with X11 release 19 and later, allows more than one device to interact with the Meridian 1. Refer to *X11 system management applications* (553-3001-301) for details on using this feature.

Access through the system terminal

You can send maintenance commands and receive system messages by accessing the CPU through an RS-232 device, such as a video display terminal (VDT) or teletypewriter (TTY).

When you access the system through a system terminal, a login procedure is required (see [Procedure 1](#)). All system passwords are initially set as 0000, but you can change passwords in the Configuration Record (LD 17).

Note: If a sysload occurs before you save a new password in a data dump, the last active password remains valid.

Each system has two levels of passwords: level 1 is for general use, level 2 is for administrative use. Either password is accepted in the login procedure.

Procedure 1
Access through the system terminal

- 1 Press the return key.
 - If the response is a period (.), you are ready to log into the system.
 - If the response is
OVL111 nn TTY x or **OVL111 nn SL1**
someone else is logged into the system. When they have logged off, press return and go to Step 2.
 - If the response is
OVL111 nn IDLE or **OVL111 nn BKGD**
you are ready to log into the system. Go to Step 2.
 - If the response is
OVL000 >
you are already logged into the system. Go to Step 4.

Note: Responses vary with different Background Terminal packages.

- 2 Log into the system by entering
LOGI
then press the return key.

The normal response is
PASS?
If there is any other response, see the *X11 input/output guide* (553-3001-400).
- 3 Enter either the level 1 or level 2 password and press the return key.
If the password is correct, the system responds with the prompt **>**.
- 4 Load a program by entering
LD xx "xx" represents the number of the program
- 5 Perform tasks.
- 6 End the program by entering
END or ********
- 7 Always end the login session with
LOGO
Background routines are then loaded automatically.

Access through the maintenance telephone

A telephone functions as a maintenance telephone when you define the class-of-service as MTA (maintenance set allowed) in the Multi-line Telephone Administration program (LD 11). A maintenance telephone allows you to send commands to the system through the following maintenance overlays: LD 30, LD 32, LD 33, LD 34, LD 35, LD 36, LD 37, LD 38, LD 41, LD 42, LD 43, LD 45, LD 46, LD 60, LD 61, and LD 62.

Note: The Core Common Equipment Diagnostic (LD 135) and Core I/O Diagnostic (LD 137) are among the overlays that cannot be accessed through a maintenance telephone.

You can test tones and outpulsing through the maintenance telephone. Specific commands for those tests are given in the Tone and Digit Switch and Digitone Receiver Diagnostic (LD 34).

To access the system using the maintenance telephone, see [Procedure 2](#). To enter commands, press the keys that correspond to the letters and numbers of the command (for example, to enter *LD 42 return*, key in *53#42##*). [Table 1](#) shows the translation from a terminal keyboard to a telephone dial pad.

Note: To use the maintenance telephone, the peripheral equipment loop for that telephone must be operating.

Table 1
Translation from keyboard to telephone dial pad

Keyboard			Dial pad	
			1	1
A	B	C	2	2
D	E	F	3	3
G	H	I	4	4
J	K	L	5	5
M	N	O	6	6
P	R	S	7	7
T	U	V	8	8
W	X	Y	9	9
			0	0
			Space or #	#
			Return	##
Note: There is no equivalent for Q or Z on a dial pad.				

Procedure 2**Access through the maintenance telephone**

- 1** Press the prime DN key.
- 2** Place the set in maintenance mode by entering
xxxx91 "xxxx" is the customer Special Prefix (SPRE) number. It is defined in the Customer Data Block and can be printed using LD 21. The SPRE number is typically "1" (which means you would enter 191).
- 3** Check for busy tone by entering "return"
##
 - If there is no busy tone, go to Step 4.
 - If there is a busy tone, a program is active. To end an active program and access the system enter

- 4** Load a program by entering
53#xx## "xx" represents the number of the program
- 5** Perform tasks.
- 6** Enter ******** to exit the program and return the telephone to call processing mode. Background routines are then loaded automatically.